

ecology and environment, inc.

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International Specialists in the Environment

TO:

Pete Culver, RPO

RECEIVED

THRU:

Sharon Martin, Acting FITOM

JAN 31 1991

FROM:

E & E/FIT

PREP SECTION

DATE:

January 30, 1991

SUBJECT:

HRS Considerations for the Laclede Coal Gas Plant Site,

St. Louis, Missouri.

TDD #F-07-9008-020

PAN #FM00579SA

Site #Y33

Project #002

Superfund Contact: Greg Reesor Project Manager: Keith A. Brown

INTRODUCTION AND BACKGROUND

The Region VII U.S. Environmental Protection Agency (EPA) tasked the Ecology and Environment, Inc., Field Investigation Team (E & E/FIT) to conduct a Screening Site Inspection (SSI) of the former Laclede Coal Gas Plant site in St. Louis, Missouri. The purpose of the SSI is to determine whether waste remains on site, posing potential hazards to human health or the surrounding environment.

The site is a former manufactured gas plant. Tar sludges (coal tars) and spent oxides are the two waste streams of primary concern. Coal tar wastes are primarily polynuclear aromatic hydrocarbons (PAHs) and phenols that were produced during coal or coke combustion. Spent iron oxide wastes were produced during the gas purification process where impurities were removed from the manufactured gas. Iron oxide wastes contain sulfur compounds, cyanide compounds, and small quantities of coal tar.

The site was first investigated by E & E/FIT on September 17, 1987. A site reconnaissance was conducted at the Mound Street Power Plant to aid in preparing a Preliminary Assessment (PA) report; the plant is located on the former Laclede Coal Gas property. The Mound Street Plant is now owned by McKinley Iron and it is in the process of being razed. The PA was prompted by reports of oil accumulation in the facility and the occasional release of oil into the adjacent Mississippi River. liquid samples were collected from the basement of the facility, where hydraulic oil from electrical transformers allegedly was stored. Two samples from two different manholes adjacent to the facility were also sampled. All samples were screened for PCBs at a 1 ppm detection limit. No PCB contaminants were identified by the Tracor gas chromatograph.

Superfund

recycled paper

Laclede Coal Gas HRS Considerations Page 2

The E & E/FIT conducted a second site reconnaissance on November 20, 1990, to facilitate preparation of the work plan for the SSI. The FIT observed seepage from the foundation and piping system of an abandoned pump house that was formerly owned by the Mound Street Power Plant. The pipes, which originate from the plant, had been plugged with concrete, but seepage was still leaching through the concrete. Because this pump house is located on the east side of the flood control levee, this leachate was observed to be seeping directly into the Mississippi River.

HRS CONSIDERATIONS

A preliminary Hazardous Ranking System (HRS) score of 50 was calculated for the Laclede Coal Gas site. The ground water pathway was assigned a score of 1, based on a suspected release to ground water. This low score reflects the fact that ground water is not used for drinking water within the 4-mile target distance limit. An observed release to ground water is likely if wastes are found to be buried on site, because the ground water table is relatively shallow. The preliminary ground water score is based on the minimum value for waste quantity (18). It is FIT's professional judgment that waste quantity is particularly large at this site, since it is one of the largest coal gas plant sites investigated by Region VII. However, if waste quantity at the Laclede Coal Gas Plant site receives the maximum HRS value of 100, the overall pathway score would only increase to 3, because of the low number of targets.

The surface water pathway is the primary pathway of concern and is given the maximum value of 100. Leaching of waste into the Mississippi River was observed during an SSI reconnaissance; therefore, a suspected release was evaluated for the preliminary surface water pathway score. It should be noted that the constituents of the waste are still unknown. The Illinois community of Metro East receives water from a surface water intake located east across the river approximately 1/4 mile from the site. Sports fishing on the Mississippi River has also been documented relatively close to the site. Drinking water and food chain targets are evaluated along the 15-mile target distance limit and are considered primary targets under HRS evaluation. Waste quantity is given an HRS value of 32, since primary targets were evaluated for the surface water pathway and this value is greater than the determined waste quantity value. Further investigative work is needed to confirm migration to the nearby surface water body. The nearest sensitive environment is about 10 miles downstream.

The probability of documenting an air release for the Laclede Coal Gas site is low. The pathway was evaluated according to the no suspected release criteria, generating a pathway score of 9. No primary targets exist for the pathway. The nearest individual is about 1/4 mile from the site and no sensitive environments exist within 1/2 mile from the boundaries of the site.

Laclede Coal Gas HRS Considerations Page 3

The soil exposure pathway score is 3. FIT determined that no targets live on or within 200 feet of suspected contamination. A total of 11 workers were evaluated for potentially threatened targets.

An SSI is recommended for the Laclede Coal Gas site to determine if the sludges (coal tars) and spent oxides are buried on site and pose an environmental hazard.

After the SSI is completed and the preliminary HRS evaluations are verified, an updated score will be calculated. This site has a medium potential to score for the NPL.

Attachments: HRS PA Scoresheets and Reference List

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Site Name: La CIME (11) Gas 1-11-01

07	0 6	5 1990	GROUND WATER PATHWAY SCORESHEET	/-/9-	77	
			Pathway Characteristics			
٠		Is the site loc Depth to aqu	ict a release (see Ground Water Pathway Criteria List, page 7)? ated in karst terrain? ifer: he nearest drinking-water well: GW NOT USED FOR DR	Yes Yes WKMG Wash	Shallow it	
				A	В	•
LIK	ELIH	OOD OF REL	EASE	Suspected Release	No Suspected Release	Referenc
1.			SE: If you suspect a release to ground water (see page 7), O, and use only column A for this pathway.	550		(1 <u>)(z)(</u> .
2.	the s	site is in karst te 00; otherwise, a	EASE: If you do not suspect a release to ground water, and rrain or the depth to aquifer is 70 feet or less, assign a score ssign a score of 340. Use only column B for this pathway.		(600 w 340)	
	*	Observed busied of	relose likely it work present!	550		
TA	RGE	TS		, 		_
3.	drink	ting water from	POPULATION: Determine the number of people served by wells that you suspect have been exposed to hazardous site (see Ground Water Pathway Criteria List, page 7).			(2)(
4.	drink	king water from	ET POPULATION: Determine the number of people served by wells that you do NOT suspect have been exposed to hazardous site, and assign the total population score from PA Table 2.			
			s part of a blended system? Yes No n a page to show apportionment calculations.	150,20,18.8,3.2, - 0	120, 10,9,\$,3,2, = OI	(2)
5.	assi	gn a score of 50	you have identified any Primary Targets for ground water, b; otherwise, assign the highest Nearest Well score from rinking-water wells exist within 4 miles, assign a score of zero.			(-2)
6.			CTION AREA (WHPA): Assign a score of 20 if any portion of is within ½ mile of the site; assign 5 if from ½ to 4 miles.	120, 8, - 04	(20, 5, a ol	

WASTE CHARACTERISTICS

7. RESOURCES: A score of 5 is assigned.

8.		If you have identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part 8 of this factor.	[100 as 32]	
	₿.	If you have NOT identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4.	18	(100.32, er i 6i
		wc -	18	

GROUND WATER PATHWAY SCORE:

1	_R	X	T	X	WC	
		8	2,5	00		

(minjett to a myamum or 100)	
/	

5

5

NOV 06 1990

Distance to surface water:

Flood Frequency:

Site Name: Laclede Gool Gos 12 1-14-91

Yes _/ No

SURFACE WATER PATHWAY LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

Pathway Characteristics

Do you suspect a release (see Surface Water Pathway Criteria List, page 11)?

		What is the downstream distance to the near nearest fishery?milesnearest se	rest drinking-water intake? ensitive environment?/O	<u>///</u> miles miles	<u></u>	
				A		
L	KELIHO	OOD OF RELEASE	·	Suspected Release	No Suspected Release	References
	NO SU	a score of 550, and use only column A for this SPECTED RELEASE: If you do not suspect a stance to surface water is 2,500 feet or less, a	is pathway.	550	[500,400,300 at 100]	_(1X2)6
	Wise, a	Floodplain Site in annual or 10-yr floodplain Site in 100-yr floodplain Site in 500-yr floodplain Site outside 500-yr floodplain	Scare 500 400 300 100			
DI		Depis field of potential was been absorbed GWATER THREAT TARGETS	LR =	1960)	(500,400,300 = 100)	
3.	drinking of 5 at	ine the water body types, flows (if applicable) rinking-water intakes within the 15-mile targe)-water intakes within the target distance limit the bottom of this page (Resources only) and	t distance limit. If there are no t, assign a total Targets score proceed to page 14.			
		American Water Comm. Rever	/ <u>77,000</u> cfs <u>300,000</u> cfs cfs			(3') (4
	Pathway score ba	RY TARGET POPULATION: If you suspect any last been exposed to hazardous substances from Y Criteria List, page 11), list the intake name is assed on the number of people served. Anythin Last Commun. Hy	m the site (see Surface Water s) and calculate the factor	3009000		(-) ()
5.	Populati from int substant	DARY TARGET POPULATION: Determine the ion score from PA Table 3 based on the populates that you do NOT suspect have been exposes from the site.	Secondary Target			<u>(5)(4)</u>
	1.	f yes, attach a page to show apportionment c				·
6.	score fro	T INTAKE: If you have identified any Primary preat (Factor 4), assign a score of 50; otherwisom PA Table 3. If no drinking-water intake exellimit, assign a score of zero.	Se. assign the Negreet Intake	160.30,10.2,1, w of	[20,10.2,1, or Ol	(3)(4
7.	RESOUR	RCES: A score of 5 is assigned.		(5) 5	(5) 5	
			Υ	3,000,055		



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Site Name: Laclade Coal Gas 14. 1-14-91

SURFACE WATER PATHWAY (continued) HUMAN FOOD CHAIN THREAT SCORESHEET

			_	A	P	
LIKELIHOOD OF REI	EACE		[Suspected	No Suspected	
LIKELINGOD OF KEI	LEASE			Release	Release	References
Enter the Surface Water	Likelihood of Release so	core from page 12.	LR =	5 50	1500,400,500 æ 100t	
HUMAN FOOD CHA	IN THREAT TARGET	rs				
the 15-mile target of	distance limit. If there a on a Targets score of 0	(if applicable) for all fisheries wit are no fisheries within the target at the bottom of this page and	hin			
Fishery Name		Water Body Type Flow	,			
to hazardous substrassign a score of 3 Fishery (A	ES: If you suspect any fances from the site (see 00 and do not evaluate formations).	ishery listed above has been experience Surface Water Criteria List, page Factor 10. List the Primary Fisheries, the table below using the LOWEST	cfs cfs cfs cfs osed e 11), eries:	1300 ar Q1	(210.30,12. = Ol	<u>(9)</u> <u>(5)</u>
at any fishery with	in the 15-mile target dis	stance limit.				
	owest Flow»	Secondary Fisheries Score				1
l 1 -	< 10 cfs	210			1	
	10 to 100 cfs	30				1
Į.	> 100 cfs, coastal tidal waters, oceans, or Great Lakes	12				
				(300,210,30,12 er 0)	1210,30,12 as 01	1
			T =	30 <i>0</i>		1

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Site Name: Laclade Cal Cas 15
Date: 1-14-91

10

SURFACE WATER PATHWAY (continued) **ENVIRONMENTAL THREAT SCORESHEET**

				Suspected	B Ma Suppose d	
IKELIHOOD OF R	ELEASE			Release	No Suspected Release	Reference
nter the Surface Wat	er Likelihood of Releas	15601 550	(500,400,300 er (00)			
NVIRONMENTAL	THREAT TARGET	S				
and 5). If there are limit, assign a Tan page 17.	e no sensitive enviror gets score of 0 at the	iws (if applicable) for all surface valle target distance limit (see PA Toments within the 15-mile target of bottom of this page, and proceed	ables 4			
Environment Nam	•	Water Body Type Fil	ow			
			cfs			
			cfs			
			cfs			
			——cfs			
			cfs			
PRIMARY SENSITI	VE ENVIRONMENTS:	If you suspect any sensitive env	iron-	(300 er 0)		
Surface Water Crit Factor 13. List the	eria List, page 11), as e Primary Sensitive Er	hazardous substances from the si ssign a score of 300 and do not e avironments:	ta Icon	(300 er 0)		
Surface Water Crit Factor 13. List the	eria List, page 11), as e Primary Sensitive Er	hazardous substances from the sissign a score of 300 and do not environments:	te (see valuate , 	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SEN: A. For Secondary 100 cfs or less this factor:	eria List, page 11), as Primary Sensitive Er	hazardous substances from the sissign a score of 300 and do not environments: TS: ts on surface water bodies with fows, and do not evaluate part 8 of the surface water bodies with fows, and do not evaluate part 8 of the surface water bodies with fows, and do not evaluate part 8 of the surface water bodies with fows, and do not evaluate part 8 of the surface water bodies with for the surface water bodies with fows, and do not evaluate part 8 of the surface water bodies with for the surface water bodies wate	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SENS A. For Secondary 100 cfs or less	eria List, page 11), as Primary Sensitive Er SITIVE ENVIRONMEN' Sensitive Environmen, assign scores as foll Dilution Weight (PA Table 4)	hazardous substances from the sissign a score of 300 and do not environments: TS:	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SEN: A. For Secondary 100 cfs or less this factor:	eria List, page 11), as Primary Sensitive Er SITIVE ENVIRONMEN Sensitive Environmen, assign scores as foll Plution Weight (PA Table 4)	hazardous substances from the sissign a score of 300 and do not environments: TS: Its on surface water bodies with flows, and do not evaluate part 8 company of the sission of the sissi	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SENS A. For Secondary 100 cfs or less this factor:	SITIVE ENVIRONMENT Sensitive Environment, assign scores as foll Dilution Weight (PA Table 4)	ts on surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) Environment Type and Value (PA Tables 5 and 6)	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SENS A. For Secondary 100 cfs or less this factor: Flow 147,000 cfs	SITIVE ENVIRONMENT Sensitive Environment, assign scores as foll Dilution Weight (PA Table 4)	tsign a score of 300 and do not environments: TS: ts on surface water bodies with fows, and do not evaluate part 8 country and Value (PA Tables 5 and 6) x Writery = 1	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SENS A. For Secondary 100 cfs or less this factor: Flow 197,000 cfs cfs cfs	SITIVE ENVIRONMENT Sensitive Environment, assign scores as follows (PA Table 4)	TS: ts on surface water bodies with fows, and do not evaluate part 8 (Environment Type and Value (PA Tables 5 and 6) x Environment Type and Value (PA Tables 5 and 6)	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SEN: A. For Secondary 100 cfs or less this factor: Flow 197,000 cfs cfs cfs cfs	SITIVE ENVIRONMENT Sensitive Environment, assign scores as foll Dilution Weight (PA Table 4)	ts on surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) Environment Type and Value (PA Tables 5 and 6) WHEN TO SERVICE	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SEN: A. For Secondary 100 cfs or less this factor: Flow 197,000 cfs cfs cfs cfs cfs	SITIVE ENVIRONMEN Sensitive Environmen , assign scores as foll Dilution Weight (PA Table 4)	TS: ts on surface water bodies with fows, and do not evaluate part 8 (Environment Type and Value (PA Tables 5 and 6) x Environment Type and Value (PA Tables 5 and 6)	te (see valuate	(300 er 0)		
Surface Water Crit Factor 13. List the SECONDARY SEN: A. For Secondary 100 cfs or less this factor: Flow //// 000 cfs cfs cfs cfs cfs cfs	SITIVE ENVIRONMEN Sensitive Environmen , assign scores as foll Dilution Weight (PA Table 4)	ts on surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fows, and do not evaluate part B of the surface water bodies with for the surface water bodies with fows, and do not evaluate part B of the surface water bodies with fow for the surface water bodies with fore water bodies water bodies with for the surface water bodies wat	te (see valuate			
Surface Water Crit Factor 13. List the SECONDARY SENS A. For Secondary 100 cfs or less this factor: Flow ///200 cfs cfs cfs cfs cfs Cfs Cfs Cfs Cfs	SITIVE ENVIRONMEN Sensitive Environmen , assign scores as foll Dilution Weight (PA Table 4)	ts on surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) Environment Type and Value (PA Tables 5 and 6) The surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) The surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) The surface water bodies with fows, and do not evaluate part 8 (PA Tables 5 and 6) The surface water bodies with fows, and for surface water bodies water bodies with fows are located on surface water bodies.	te (see valuate	(300 er 0)	110 a	

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Site Name: Laclede Cool Gas 17

Date: 1-14-91

SURFACE WATER PATHWAY (concluded) WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

	A	B
WASTE CHARACTERISTICS	Suspected Release	No Suspected Release -
14. A. If you have identified ANY Primary Targets for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	(100 # 32) 3-2	
B. If you have NOT identified any Primary Targets for surface water, assign the waste characteristics score calculated on page 4.	(100,32, ar 18)	[100,32, er 191
WC =	3~	

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score (from page 12)	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score LR x T x WC / 82,500
Drinking Water	550	3,000,055	3-2	100 100
Human Food Chain	550	300	32	fautoser to a maximum of 100f
Environmental	550	10	32	(adapted to a manifest of 60)

SURFACE WATER PATHWAY SCORE

(Drinking Water Threat + Human Food Chain Threat + Environmental Threat)

100

Site Name:	Laclode	Carl Cass	19
Date:	1 111 -1		

3

NOV O	Date:	1-14-	9/	
NOV 0				
	Pathway Characteristics Do any people live on or within 200 ft of areas of suspected contamination? Do any people attend school or day care on or within 200 ft of areas of suspected contamination? Is the facility active? Yes No If yes, estimate the number of well active?	Vae	No <u>/</u>	
		Α	B ::	
INEIIU	200 05 57000175	Suspected	No Suspected	-
LIKELIH	DOD OF EXPOSURE		Contamination	References
1. SUSP	ECTED CONTAMINATION: Surficial contamination is assumed. re of 550 is assigned. LE =	550		
RESIDEN	IT POPULATION THREAT TARGETS			-
or atte	ENT POPULATION: Determine the number of people occupying residences ending school or day care on or within 200 feet of areas of suspected mination (see Soil Exposure Pathway Criteria List, page 18).			(1) (1
3. RESID	ENT INDIVIDUAL: If you have identified any Resident Population (Factor 2), a score of 50; otherwise, assign a score of 0.	(50 as O)		(1)(1)
4. WORK	ERS: Assign a score from the following table based on the total number of rs at the facility and nearby facilities with suspected contamination:	[15, 10, 5, ar Q]		
	Nombas of Washers Scare 0 0 1 to 100 5 101 to 1,000 10 >1,000 15	5		(8)
contan	STRIAL SENSITIVE ENVIRONMENTS: Assign a value from PA Table 7 th terrestrial sensitive environment that is located on an area of suspected nination:			
	Terrestrial Sensitive Environment Type Value	_		/7)
6. RESOL	JRCES: A score of 5 is assigned.	164 5		(1)
WASTE (T =	10		
7. Assign	the waste characteristics score calculated on page 4. WC =	(100, 32, or 18)		
RESIDEN	T POPULATION THREAT SCORE: LE x T x WC 82,500	(indepent to a ma.	comun of 100i	
NEARBY Assign a si	POPULATION THREAT SCORE: core of 2	2		
SOIL EXP	POSURE PATHWAY SCORE:	(outspect to a man	emum et 100l	

Resident Population Threat + Nearby Population Threat

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Site Name: Laclade Cool las 22 Date:

Laclede	ريس
1-14-91	

IR PATHWAY SCORESHEE	IR	PAT	ΠW	AY	SCO	RESHI	EE.
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Pathway Characteristics			
Do you suspect a release (see Air Pathway Criteria List, page 21)? Distance to the nearest individual: >0 + 1/m./e	Yes	Noft	
	Α	В	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550, and use only column A for this pathway.	(640)		
NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500, and use only column B for this pathway.		500	(1)(2
LR =		500	-
		10000 1,000 (ľ
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a release of hazardous substances through the air (see Air Pathway Criteria List, page 21) people x 10 =	· 		
4. SECONDARY TARGET POPULATION: Determine the number of people within the 4-mile target distance limit, and assign the total population score from PA Table 8.		61	<u>(8)</u>
5. NEAREST INDIVIDUAL: If you have identified any Primary Targets for the air pathway, assign a score of 50; otherwise, assign the highest Nearest Individual score from PA Table 8.	(50.20,7,2,1, or 0)	(20,7.2,1, ₩ Q)	<u>(8)</u>
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from air hazardous substances (see Air Pathway Criteria List, page 21).			
Sensitive Environment Type Value			
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.			(7)
8. RESOURCES: A score of 5 is assigned.	(S) 5	5 5	
Τ =		86	
WASTE CHARACTERISTICS			
 A. If you have identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor. 	(100 e r 32)		
B. If you have NOT identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4.	(100,32, er 18)	(100.32. æ 18)	
WC =		18	

AIR PATHWAY SCORE:

LR x T x WC 82,500

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Site Name: La Clare Cas/ac.
Date: 1-14-91

SITE SCORE CALCULATION

	S	S²
GROUND WATER PATHWAY SCORE (S,):	/	/
SURFACE WATER PATHWAY SCORE (S,):	100	10,000
SOIL EXPOSURE PATHWAY SCORE (S,.):	3	9
AIR PATHWAY SCORE (S.):	9	8/
SITE SCORE:	$\sqrt{\frac{S_{gw}^2 + S_{sw}^2 + S_{se}^2 + S_a^2}{4}} =$	50

RECOMMENDATION		 	
			·

SUMMARY

		YES	NO
1.	Is there a high possibility of a threat to nearby drinking water wells by migration of hazardous substances in ground water?		
	A. If yes, identify the wells recommended for sampling during the SI.		
	B. If yes, how many people are served by these threatened wells?		
2.	Are any of the following suspected to have been exposed to hazardous substances through surface water migration from the site?		
	A. Drinking water intake	Ø	
	B. Fishery	Z Z	
	C. Sensitive environment: wetland, critical habitat, others		ø
	D. If yes, identify the targets recommended for sampling during the SI. Pass. bly the Illino's Dinking Water Intake 19.35.55.03. Bour		
3.	Do people reside or attend school or day care on or within 200 ft of any area of suspected contamination?		Ø
4.	Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:		Ø
			

LACLEDE COAL GAS SITE

REFERENCES

- 1). Ecology and Environment, Inc., Field Investigation Team, November 20, 1990, Site Reconnaissance of the Laclede FMGP, TDD #F-07-9008-020.
- 2). Ecology and Environment, Inc., Field Investigation Team, June 23, 1988, Preliminary Assessment of the Former Union Electric Mound Street Power Plant Site, TDD #F-07-8708-029.
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- 9). Rapp, Jerry, December 7, 1990, Engineer, U.S. Corp of Engineers, telephone conversation with Keith Brown, E & E/FIT.
- 10). U.S. Geological Survey, 1968 revised, 7.5 Minute Series Topographic Map, Granite City Quadrangle, Missouri, Washington D.C.